

# INDEX TO RADIO

*for the Year 1941*

Issues 255 to 264, Inclusive

## Amateur Newcomer

Away With Haywire— <i>Conklin</i> .....	Feb., 63
Banana Boat on Lake Erie— <i>Sadoski</i> .....	July, 66
Keying the V.F.O.— <i>Smith</i> .....	April, 62
Meter Switching for Transmitters— <i>Griggs</i> .....	Oct., 60
Multi-Band Antenna— <i>Johnson</i> .....	June, 64
Pocket Transceiver for 112 Mc.— <i>McEntee</i> .....	Jan., 118
Simple R.F. Power Measuring Device — <i>McNatt</i> .....	May, 61
Simple Superheterodyne.....	Dec., 55
Simplicity in the Speech Amplifier— <i>Dawley</i> .....	Nov., 52
112-Mc. Bandsread Wavemeter— <i>Broderson</i> .....	Mar., 57

## Amateur Stations

(Station Photographs)

KD4GYM—Swan Island.....	July, 9
K7BC—Sitka, Alaska.....	July, 47

OQ5ZZ—Gatti Expedition—Hall.....	June, 21
W2MYH—Summit, New Jersey.....	April, 61
W2OEC—Fort Monmouth, New Jer- sey .....	Dec., 94
W3KJ—Springfield, Pennsylvania.....	July, 57
W4FUM—Montgomery, Alabama.....	Mar., 54
W5EGJ—Perryton, Texas .....	Feb., 53
W5HLG—Amarillo, Texas .....	July, 56
W5IRO—Hodge, Louisiana.....	July, 56
W6PKK—Hollywood, California.....	May, 55
W6PMB—Los Angeles, California.....	Mar., 54
W6POZ—Hermosa Beach, California.....	May, 54
W6RBQ—San Francisco, California.....	Mar., 54
W6TOM—Los Angeles, California.....	July, 55
W7FTO—Coram, Montana.....	May, 55
W9BDO—Seneca, Nebraska.....	July, 57
W9CVU—Cedar Rapids, Iowa.....	Feb., 53
W9DIB—Mitchellville, Iowa.....	July, 56
W9LXC—Sheboygan, Wisconsin.....	April, 60
W9OQB—Decatur, Illinois.....	July, 55
W9QCY—Fort Wayne, Indiana.....	Mar., 61

W9RIL—St. Cloud, Minnesota.....	July, 57
W9TJ—Mt. Carmel, Illinois.....	May, 53
W9WZO—Naperville, Illinois.....	Feb., 53
W9ZJB—Kansas City, Missouri.....	May, 60

### Antennas, Feeders and Masts

(see also: *Ultra-High Frequencies*)

Aircraft Beam Operation and Uses— <i>Finger</i> .....	May, 37
Broadside Close-Spaced Arrays— <i>Espy</i> .....	Feb., 35
Cathode-Ray Indicator for the Rotary Beam— <i>MacAllister</i> .....	July, 30
Calculating Distance and Direction— <i>Conklin</i> .....	Mar., 46
Converting the Ten-Meter Rotary to Twenty— <i>Valentine</i> .....	July, 39
Compact 160-Meter Antenna— <i>Rimathe</i> .....	April, 98
Counterweighted Antenna Tower— <i>Fraser</i> .....	Nov., 44
Distance Ranges of Radio Waves.....	May, 46
End Loading the 3-Element Beam— <i>Bourret</i> .....	Mar., 43
Five and Ten Meter Skip— <i>Conklin</i> .....	Feb., 40
Ideas on Feeder Spreaders— <i>Dowding</i> .....	May, 44
Inexpensive Beam Rotator— <i>Edmond- son</i> .....	April, 42
Mercury as an Antenna— <i>Peterson</i> .....	May, 31
Multi-Band Antenna— <i>Johnson</i> .....	June, 64
New Ideas in Rotatable Beam Con- struction— <i>Ludgate</i> .....	June, 49
Self-Synchronous Direction Indicator — <i>Everest</i> .....	Oct., 23
Terminating Antenna Feeders— <i>Mc- Natt</i> .....	Feb., 27
Tuning Short Radiators on Low Fre- quencies— <i>Stanley</i> .....	Nov., 24
U.H.F. Transmission Line— <i>Dumas</i> .....	Nov., 92
Versatile Vertical— <i>Grening</i> .....	Jan., 55
Vertical Concentric Fed Doublet— <i>Kiernan</i> .....	June, 16
Wide-Band Antenna for 10 Meters— <i>Bartlow</i> .....	May, 62
12-Element Rotary for 56 Mc.— <i>Cope- land</i> .....	Oct., 34

### Book Reviews and Catalogs

Aerosphere, 1941— <i>Angle</i> .....	Oct., 72
Amateur Radio— <i>Harper's</i> .....	Nov., 6
Antenna Manual— <i>Premax</i> .....	July, 80
ASTM Standards on Electrical Insu- lating Materials.....	Feb., 72
Capacitor Manual— <i>Cornell-Dubilier</i> .....	June, 68
Catalog— <i>Allied</i> .....	July, 80; Nov., 74
Catalog— <i>Amplifier Co. of America</i> .....	April, 88
Catalog— <i>Bud</i> .....	Oct., 72
Catalog— <i>Cornell-Dubilier</i> .....	Feb., 72
Catalog— <i>DeJur-Amsco</i> .....	June, 68

Catalog— <i>Hallicrafters</i> .....	Dec., 85
Catalog— <i>Howard</i> .....	April, 88
Catalog— <i>Miller</i> .....	Oct., 72
Catalog— <i>Sprague</i> .....	Oct., 72
Catalog— <i>United Radio Supply</i> .....	June, 68
Catalog of Replacements— <i>Thordar- son</i> .....	Dec., 88
How to Choose a Slide Rule— <i>Herold</i> .....	Feb., 95
How to Make Good Recordings— <i>Audio Devices, Inc.</i> .....	April, 88
Laboratory Instruction Manual— <i>Ra- diolab Pub. Co.</i> .....	May, 96
Log Book— <i>RCA</i> .....	June, 68
Most Popular 1940 Radio Diagrams — <i>Beitman</i> .....	Feb., 72
Mycalex Booklet— <i>G.E.</i> .....	Nov., 74
Name Plate Bulletin— <i>Crowe</i> .....	June, 90
Phototube Application— <i>RCA</i> .....	June, 68
Radio Engineering Handbook— <i>Hen- ney</i> .....	Oct., 72
Receiving Tube Characteristics— <i>RCA</i> .....	Mar., 81
Receiver Booklet— <i>Hallicrafters</i> .....	May, 96
The Meter at Work— <i>Rider</i> .....	Feb., 72
Transmitting and Special Purpose Tube Booklet— <i>RCA</i> .....	June, 68
Transmitting Tubes— <i>RCA</i> .....	Oct., 72
Tube Pamphlet— <i>G.E.</i> .....	June, 90
Vacuum Tube Voltmeters— <i>Rider</i> .....	May, 96

### Conventions and Hamfests

Boston Hamfest.....	Oct., 70
Chicago Luncheon Club.....	Feb., 72
Houston Convention.....	Oct., 70
Minnesota Convention.....	Nov., 86
Pacific Division Convention.....	Nov., 94
Pittsburgh Area Hamfest.....	Feb., 72
Rochester Hamfest.....	Feb., 72
U.H.F. Meeting.....	Jan., 117

### Diathermy

F.C.C. on Diathermy.....	Mar., 6
Modernized Portable Diathermy— <i>Raguse and Denney</i> .....	Mar., 20

### DX

Five-Meter Summer DX— <i>Dawson</i> .....	Oct., 47
160-Meter DX with 3 Watts— <i>Sasser</i> .....	Mar., 98
WAAP—Prefixes and Rules.....	Jan., 113; May, 50; June, 58
WAZ Honor Roll.....	Jan., 112; Feb., 50
56 Mc. DX Honor Roll.....	Jan., 123; Feb., 59;
.....	Mar., 62; April, 56; May, 58;
.....	June, 61; July, 75; Nov., 58; Dec., 48
2½ Meter DX Honor Roll.....	Jan., 124; Feb., 61; Mar., 63;
.....	April 58; May, 59; June, 62;
.....	July, 86; Oct., 92; Nov., 59; Dec., 54



X-DX— <i>Becker</i> .....	
.....Jan., 113; Feb., 51; Mar., 52;	
April, 52; May 50; June, 58; July, 46	

### Emergency and Relief Work

112 Mc. Net Aids Red Cross.....	April, 59
---------------------------------	-----------

### Federal Communications Commission

Aircraft Frequency Changes.....	Oct., 96
Band Shrinkage.....	Dec., 88
Changes in Amateur Frequency Allo-	
cations .....	Oct., 6
Distinctive Calls for F.M.....	Jan., 159
FCC on Diathermy.....	Mar., 6
FCC Ruling on "Loaned" Equipment.....	July, 77
F.M. on Ten.....	July, 6
From the Mail Bag of the FCC.....	Oct., 98
Good Omen for Amateur Station	
Owners .....	Dec., 94
New International Broadcast Station.....	Dec., 72
Progress of NBC Commercial Tele-	
vision .....	Oct., 70
Ship Radiotelegraph Operator Re-	
quirements Modified .....	Oct., 96
Withdrawal of Frequencies from	
Amateur Service.....	Nov., 70

### Fiction and Verse

A Story from India— <i>The Old Timer</i> .....	June, 66
Automatic C.W. Meter— <i>Caswell</i> .....	May, 65
A Word to the Wives— <i>Leibens-</i>	
<i>perger</i> .....	April, 66
Banana Boat on Lake Erie— <i>Sadoski</i> .....	July, 66
Cousin Zeb's Grebe— <i>Jackson</i> .....	Dec., 64
CQ CQ CQ— <i>W7FPP</i> .....	Oct., 96
Encounter at Sea— <i>The Old Timer</i> .....	Nov., 61
Green Cheese in the Summer—	
<i>Sadoski</i> .....	Oct., 64
Ham's Wife— <i>Vining</i> .....	July, 60
McPoostoe—the Cat— <i>W7FPP</i> .....	Dec., 94
Ode to Ye Never-Known— <i>W3EYY</i> .....	Mar., 93
Oil is Well, 111— <i>Stafford</i> .....	Jan., 129
Practical Dialogue Meter— <i>Caswell</i> .....	Feb., 67
PSE QSP— <i>The Old Timer</i> .....	Mar., 68
Set-Builders' Nightmare.....	Dec., 78
The Answer to that Pink Ticket—	
<i>Wormwood</i> .....	Jan., 139
The New Spring Outfit— <i>Lingan</i> .....	June, 92
Wandering Willie.....	Dec., 89
56-Mc. "Potgut" Oscillator— <i>May</i> .....	Nov., 48

### Five Meters

(see: *Portable-Mobile and Ultra-High Frequencies*)

### Frequency Modulation

Control of F.M. Receiver Readability	
— <i>Ferrell</i> .....	July, 76

Distinctive Calls for F.M.....	Jan., 159
F.M. for Ten— <i>Norton</i> .....	Oct., 14
F.M. on Ten.....	July, 6
F.M. Receiver for Less than Fifteen	
Dollars— <i>Brooks</i> .....	Feb., 54
Improved Design Frequency Modula-	
tor— <i>Falor</i> .....	June, 24
NBC Frequency Modulation Field	
Test— <i>Guy and Morris</i> .....	Jan., 12
Ten to 2.5 Meter F.M. and A.M.	
Superhet— <i>Brown</i> .....	Dec., 36
Why Not Narrow-Band F.M.?—	
<i>Norton</i> .....	Jan., 88
8-Tube Converter for F.M. Reception	
— <i>Thompson</i> .....	Mar., 9

### Hints

Adjusting the Superregenerative Re-	
ceiver— <i>Fleming</i> .....	Dec., 30
Bandsread— <i>Norton</i> .....	April, 20
Calibrating Ohmmeters with a Slide	
Rule— <i>Sadoski</i> .....	May, 63
Cleaning Rust From Tools.....	June, 80
Control of F.M. Receiver Readability	
— <i>Ferrell</i> .....	July, 76
Equipping the Amateur's Workshop	
— <i>Caird</i> .....	Jan., 75
Filament and Plate Control for Mer-	
cury Vapor Rectifiers— <i>Hall</i> .....	Jan., 126
Helpful Hints.....	April, 50
Homemade Rotatable-Link Induc-	
tances— <i>Elsen</i> .....	Jan., 127
I.C.W. with a Transceiver— <i>Crabill</i> .....	May, 63
Ideas on Feeder Spreaders— <i>Dowding</i> .....	May, 44
Inexpensive, Stabilized Oscillator—	
<i>Falor</i> .....	Feb., 56
More A.F. Gain.....	Feb., 88
Police Radio Kinks.....	Nov., 37
Reduction of Drift in V.F.O.'s—	
<i>Dixon</i> .....	July, 58
Sound Kinks— <i>Blair</i> .....	Mar., 64
Stabilization of Grid Bias— <i>Shaw</i> .....	July, 58
Terminating Antenna Feeders— <i>Mc-</i>	
<i>Natt</i> .....	Feb., 27
Transceiver Data for the Newcomer	
— <i>Broderson</i> .....	Dec., 60
When You Solder.....	May, 72

### Keying

(see also: *Transmitting*)

A.C. Operated Code Practice Oscilla-	
tor— <i>Williams</i> .....	May, 62
Are You Using a Keying Monitor—	
<i>Swan</i> .....	June, 52
Banana Boat on Lake Erie— <i>Sadoski</i> .....	July, 66
Combination Keying Monitor and	
Break-In Control Unit— <i>Read</i> .....	June, 55

I.C.W. With A Transceiver— <i>Crabill</i> .....	May, 63
Inexpensive Electronic Bug— <i>Clark</i> .....	Oct., 36
Keying the V.F.O. Without Clicks, Chirps or Tails— <i>Smith</i> .....	April, 62
"TRMA" Helpful Hints for Code Learners— <i>Parker</i> .....	Dec., 42
Versatile Electronic Key— <i>Gunkle</i> .....	April, 40

### Meters and Measurements

Calibrating Ohmmeters With A Slide Rule— <i>Sadoski</i> .....	May, 63
Cathode-Ray Indicator for the Ro- tary Beam— <i>MacAllister</i> .....	July, 30
Determining R.F. Power Output— <i>McNatt</i> .....	Jan., 93
Directly Calibrated Audio Oscillator — <i>Davis</i> .....	July, 40
Electronic Ohmmeter— <i>Donaghue</i> .....	Jan., 127
Grid Dip Oscillator for Amateur Use — <i>Bernard</i> .....	Oct., 42
High-Sensitivity Vacuum-Tube Volt- meter— <i>Ryder</i> .....	Oct., 26
Instant Action Negative Peak Over- Modulation Indicator— <i>Harrell</i> .....	Mar., 65
Meter-Switching for Transmitters— <i>Griggs</i> .....	Oct., 60
Parallel T for Amateur Use— <i>Sheaffer</i> .....	Nov., 12
Practical Sine-Wave Generator— <i>MacAllister</i> .....	April, 14
Probe Type Rectifier for the D.C. Voltmeter— <i>McLaren</i> .....	Nov., 40
Regulated A.C.-D.C. Vacuum-Tube Voltmeter.....	Feb., 32
Self-Synchronous Direction Indicator for Rotary Beam Antennas— <i>Everest</i> .....	Oct., 23
Simple R.F. Power Measuring Device — <i>McNatt</i> .....	May, 61
Simple 400-Cycle Audio Oscillator— <i>Bown</i> .....	July, 59
The "Gimmick"—A Transmitter Tester— <i>Statt and Beebe</i> .....	Dec., 22
Vacuum-Tube Voltmeters— <i>Moody</i> .....	May, 34
Wide-Range U.H.F. Wavemeter— <i>Rehm</i> .....	April, 30

### Miscellaneous

Aids in Filter Designing— <i>Aerovox</i> <i>Corp.</i> .....	Mar., 38
Aircraft Beam, Its Operation and Uses— <i>Finger</i> .....	May, 37
Army Amateur Radio System.....	April, 37
Aurora U.H.F. Propagation— <i>Ferrell</i> .....	Feb., 20
Baffling the Loudspeaker— <i>Gilbert</i> .....	Dec., 32
Bandspread— <i>Norton</i> .....	April, 20
Becoming An Amateur— <i>Bradley</i> .....	Dec., 40
Calculating Distance and Direction— <i>Conklin</i> .....	Mar., 36

Coincidence of U.H.F. Fading— <i>Fer- rell</i> .....	April, 9
Custom Equalizer for any Phono- graph— <i>Smith</i> .....	Nov., 21
Design and Operating Data for Con- denser Input Filters— <i>Lampson</i> .....	Nov., 35
Distance Ranges of Radio Waves.....	May, 46
Effect of Temperature on the Fre- quency of a Self-Excited, High- Frequency Oscillator.....	Jan., 103
Elements of Home Recording.....	Jan., 81
Equipping the Amateur's Workshop — <i>Caird</i> .....	Jan., 75
Five-Meter Summer DX— <i>Dawson</i> .....	Oct., 47
Flux Density and Its Effect Upon Transformer Performance— <i>Gross</i> .....	Mar., 36
Great Circle Calculations— <i>Gadwa</i> .....	Dec., 21
Hams and the Army— <i>Phillips</i> .....	May, 22
Inexpensive Wooden Relay Rack— <i>Smith</i> .....	May, 28
Injection Molding of Mycalex.....	July, 88
Japanese Radio Code— <i>Lee</i> .....	May, 42
Low Pass Filter for Radio or Phono Use— <i>Kosolapoff</i> .....	June, 35
Lucite vs. Polystyrene.....	Dec., 63
NBC Frequency Modulation Field Test— <i>Guy and Morris</i> .....	Jan., 12
Oscillator Operation— <i>Freeman</i> .....	Mar., 24
Perfect-Balance Self-Balancing Phase Inverter— <i>Wallman</i> .....	Oct., 46
Recording Theory and Practice— <i>Espy</i> .....	Jan., 68
Splatter Filter Notes.....	Jan., 31
Story of KD4GYM— <i>Paull</i> .....	July, 9
Story of OQ5ZZ— <i>Hall</i> .....	June, 21
Sunspots and Radio— <i>Conklin</i> .....	July, 20
Synchronize Your Skeds With Arling- ton Time— <i>Poole</i> .....	Dec., 15
"Tallyho, Two-and-A-Half" — <i>Wil- burn</i> .....	April, 44
Transmitter Interference Elimination — <i>Lawrence</i> .....	Nov., 30
Trailers for Amateur Emergency Work— <i>Warner</i> .....	June, 30
Triode Connected 6V6's and 6L6's.....	Dec., 78
Using the Barometer— <i>Hall</i> .....	April, 39
Why Every Amateur Should Be A Member of A.R.R.L.— <i>Warner</i> .....	July, 43
Would You Pass?— <i>Kitchin</i> .....	Dec., 39
28-Mc. Band in Britain.....	Feb., 93
112 Mc. Net Aids Red Cross at Presi- dential Inauguration— <i>Reed</i> .....	April, 59

### Mobile, Portable and Emergency

(see also: Radiotelephony, Receiving,  
Transmitting, U.H.F.)

Another Version of Portable Emer- gency Equipment— <i>Strock</i> .....	Dec., 8
---	---------

Compact Portable Transmitter— <i>Van-Rensselaer</i> .....	June, 26
Dual-Service Transceiver— <i>Levis</i> .....	Nov., 42
Emergency-Service Portable Station— <i>Hlywa</i> .....	Nov., 16
Filament Tube Airplane Transmitter— <i>Rothman and Dawley</i> .....	May, 18
Just Another Portable Mobile— <i>May</i> .....	July, 13
Mobile Transmitter with Instant-Heating Tubes— <i>Newnan</i> .....	April, 26
Pocket Transceiver for 112 Mc.— <i>McEntee</i> .....	Jan., 118
Portable Emergency Transmitter for Home or Field Use— <i>Taylor</i> .....	Nov., 32
Portable or Mobile Bandswitching Transmitter— <i>Bloom</i> .....	May, 12
Self-Contained, Battery Powered 2.5 Meter Transceiver— <i>Smith</i> .....	Dec., 26
Trailers for Amateur Emergency Work— <i>Warner</i> .....	June, 30
U.H.F. Direction Finder and Transceiver— <i>McHolland</i> .....	May, 26

### New Apparatus

Aircraft Radiophone— <i>Electronic Specialty</i> .....	Feb., 70
B.C. Signal Generator— <i>Allied</i> .....	May, 86
Blackout-Panel Oscillograph— <i>Dumont</i> .....	Dec., 66
Cardioid Microphone— <i>Turner</i> .....	July, 87
Centralized Sound System— <i>Hallcrafters</i> .....	Oct., 68
Code Practice Oscillators— <i>Bud</i> .....	Jan., 134
Code Practice Oscillator— <i>Airadio</i> .....	July, 82
Converter— <i>Eicor</i> .....	July, 88
Decade Inductance— <i>N.Y. Transformer</i> .....	Oct., 66
Dispatcher's Mike— <i>Universal</i> .....	Jan., 134
EC-2 Receiver— <i>Echophone</i> .....	Oct., 76
EC-3 Receiver— <i>Echophone</i> .....	July, 87
Elim-O-Stat— <i>Solar</i> .....	Nov., 68
Filament Transformer— <i>Thordarson</i> .....	Oct., 68
FM/AM Tuner— <i>Hallicrafters</i> .....	Mar., 90
General Electric 866A/866 .....	Feb., 70
Generator Field Rheostats— <i>Ohmite</i> .....	Mar., 90
Hand Drill— <i>Paramount</i> .....	Feb., 88
Live-Bracket and Dead-Bracket type Resistors— <i>Ohmite</i> .....	July, 74
Low-Power Sound Amplifier— <i>Lafayette</i> .....	Mar., 91
Magnetic Pickup— <i>Turner</i> .....	Jan., 134
Marine Radio Equipment— <i>Federal</i> .....	Dec., 68
Mercury Switch— <i>Littlefuse</i> .....	April, 72
Microtubes— <i>Microtube Labs</i> .....	April, 72
Midget Insulated Resistors— <i>Aerovox</i> .....	Oct., 66
Mobile P.A. Amplifier— <i>Thordarson</i> .....	May, 64
Plug-In Electrolytics— <i>Solar</i> .....	Jan., 134
Portable Aviation Radio Receiver— <i>RCA</i> .....	July, 74

Polystyrene Spacer— <i>Amphenol</i> .....	May, 86
Preferred Tube Replacement— <i>RCA</i> .....	April, 72
Push-Pull Vibrators— <i>Turner</i> .....	Mar., 91
QSO-Index File— <i>Bud</i> .....	May, 64
Radio Compass and Receiver— <i>Hallcrafters</i> .....	April, 72
Radio Flight Instruction Equipment— <i>Electronic Specialty</i> .....	Feb., 70
Radio Training Course Kit— <i>Allied</i> .....	July, 87
RCA Tubes .....	April, 72, 76; May, 64
Recorder— <i>Presto</i> .....	April, 72
Record QSL's— <i>National Recording Supply</i> .....	April, 72
Relay— <i>Ward-Leonard</i> .....	Nov., 68
Semi-Communications Receiver— <i>Echophone</i> .....	Jan., 155
"Skyrider 32"— <i>Hallicrafters</i> .....	Oct., 66
Speaker Baffle— <i>RCA</i> .....	Nov., 68
"Speech Master" Reproducer— <i>Jensen</i> .....	Oct., 68
Stellite and Sapphire Recording Needles— <i>Audio Devices</i> .....	Feb., 87
Sum-Up Slide Rule— <i>Sum-Up Slide Rule Co.</i> .....	Dec., 66
Tapped Resistors— <i>Sprague</i> .....	Oct., 76
Temperature Compensating Capacitors— <i>Aerovox</i> .....	Dec., 68
Test Equipment— <i>RCA</i> .....	Jan., 134
Time Delay Switch— <i>Betts and Betts</i> .....	May, 86
Transformer— <i>Kenyon</i> .....	Dec., 66
Transmitter Kits— <i>Thordarson</i> .....	Jan., 155
Transparent Acetate Tube— <i>Precision</i> .....	May, 64
Vernier Dial— <i>Bud</i> .....	Oct., 66
Vibrator Power Supply— <i>Electro Products</i> .....	Dec., 66
Waterproof Speakers— <i>Cinaudgraph</i> .....	Oct., 66
2.5 Meter R.F. Plate Choke— <i>Ohmite</i> .....	Oct., 76
10-Channel Marine Radiophone— <i>Hallicrafters</i> .....	Feb., 87
110-Volt A.C. Light and Power Plants— <i>Kato</i> .....	Oct., 76

### Open Forum

Communication With Central and South America— <i>W3AG</i> .....	Oct., 80
DX and the Good Old Days— <i>W6OVK</i> .....	Dec., 63
"Fritz the Radio Spy"— <i>W9QHZ</i> .....	June, 70
Letters from England— <i>G6DH, G8QH and Cosh</i> .....	April, 78
New York Five-Meter Activity— <i>W2LAL</i> .....	Jan., 146
OMRC Additions— <i>W1JIS</i> .....	July, 76
QRN and Loops— <i>W6CAN</i> .....	Dec., 63
RADIO in Retrospect— <i>W2LIW</i> .....	June, 70

### Postscripts

OM's Club Additions .....	Jan., 117; Nov., 86
Radio Interference Conference .....	May, 94



Rules Waived for Radio Operators.....	Jan., 117
Withdrawal of Frequencies from Amateur Service.....	Nov., 70

### Radiotelephony

(see also: *Transmitting, U.H.F., and Meters and Measurements*)

Aids in Filter Designing— <i>Aerovox</i> .....	Mar., 38
A Kilowatt Gets Ready for Active Service— <i>Christensen</i> .....	June, 36
Another Version of Portable Emer- gency Equipment— <i>Strock</i> .....	Dec., 8
Bandswitching 100-Watt Transmitter — <i>Adams and Smith</i> .....	Jan., 60
Compact Portable Transmitter— <i>Van- Rensselaer</i> .....	June, 26
Compression Amplifier for Communi- cations Work— <i>Smith</i> .....	Mar., 16
Directly Calibrated Audio Oscillator — <i>Davis</i> .....	July, 40
Dual-Service Transceiver— <i>Levis</i> .....	Nov., 42
Emergency-Service Portable Station— <i>Hlywa</i> .....	Nov., 16
Filament Tube Airplane Transmitter — <i>Rothman and Dawley</i> .....	May, 18
F.M. for Ten— <i>Norton</i> .....	Oct., 14
Improved Design Frequency Modula- tor— <i>Falor</i> .....	June, 24
Intercommunication Circuits for Po- lice Radio Systems— <i>Ives</i> .....	July, 34
Just Another Portable Mobile— <i>May</i> .....	July, 13
Low Pass Filter for Radio or Phone Use— <i>Kosolapoff</i> .....	June, 35
Low-Powered Police Transmitter— <i>Shannon</i> .....	July, 26
Midget Modulator— <i>Patterson</i> .....	April, 49
Mobile Transmitter With Instant Heating Tubes— <i>Newnan</i> .....	April, 26
Negative Peak Over-Modulation In- dicator— <i>Harrell</i> .....	Mar., 65
One-Kilowatt Police Transmitter— <i>Brittain</i> .....	Jan., 99
Peaked Audio Amplifier— <i>Smith</i> .....	Feb., 23
Phone-C.W. Transmitter with In- verted Oscillator— <i>Reed</i> .....	Jan., 83
Pocket Transceiver for 112 Mc.— <i>McEntee</i> .....	Jan., 118
Portable Emergency Transmitter for Home or Field Use— <i>Taylor</i> .....	Nov., 32
Portable or Mobile Bandswitching Transmitter— <i>Bloom</i> .....	May, 12
Practical Sine-Wave Generator— <i>MacAllister</i> .....	April, 14
Simple A.F. Peak Limiter for the Phone Transmitter— <i>Smith</i> .....	June, 46
Simple 400-Cycle Audio Oscillator— <i>Bowen</i> .....	July, 59
Simplicity in the Speech Amplifier— <i>Dawley</i> .....	Nov., 52

Sounds Kinks— <i>Blair</i> .....	Mar., 64
The "Gimmick"—A Transmitter Tester— <i>Statt</i> .....	Dec., 22
25 Watts on 56 Mc.— <i>Dawson</i> .....	Mar., 33
40- or 200-Watt Phone-C.W. Trans- mitter for 10-160 Meter Opera- tion— <i>Smith</i> .....	Jan., 37
500-Watt Commercial Transmitter— <i>Moynahan</i> .....	Feb., 11

### Receiving

(see also: *Frequency Modulation, Ultra-High Frequencies*)

Accessory Variable-Selectivity Crystal Filter— <i>Norton</i> .....	May, 8
Adjusting the Superregenerative Re- ceiver— <i>Fleming</i> .....	Dec., 30
Bandspread— <i>Norton</i> .....	April, 20
"Bare Essentials" Superhet Receiver — <i>Taylor</i> .....	Mar., 48
Coaxial-Tuned Converter— <i>Copeland</i> .....	June, 17
Control of F.M. Receiver Readability — <i>Ferrell</i> .....	July, 76
Emergency Service Portable Station— <i>Hlywa</i> .....	Nov., 16
Five- and Ten-Meter Converter— <i>Taylor</i> .....	Oct., 31
F.M. Receiver for Less Than Fifteen Dollars— <i>Brooks</i> .....	Feb., 54
High Fidelity Receiver for Local Broadcast Reception— <i>Smith</i> .....	April, 46
Simple Superhetrodyne.....	Dec., 55
Superregenerators— <i>Conklin</i> .....	Jan., 32
Ten to 2.5 Meter F.M. and A.M. Superhet— <i>Brown</i> .....	Dec., 36
Transceiver Data for the Newcomer — <i>Broderson</i> .....	Dec., 60
Two-Frequency Police Receiver— <i>Brittain</i> .....	Dec., 44
8-Tube Converter for F.M. Reception — <i>Thompson</i> .....	Mar., 9
56-Mc. Preselection for Weak-Signal DX— <i>May</i> .....	April, 16
400-Megacycle Receiver— <i>Reed</i> .....	Mar., 27

### Transmitting

(see also: *Radiotelephony, Tubes, Ultra-High Frequencies, and Frequency Modulation*)

A.C. and Vibrator Power Supply— <i>Gunkle</i> .....	July, 33
Another Final— <i>Link</i> .....	Nov., 64
Another Version of Portable Emer- gency Equipment— <i>Strock</i> .....	Dec., 8
Bandswitching 100-Watt Transmitter — <i>Adams and Smith</i> .....	Jan., 60
Compact Portable Transmitter— <i>Van- Rensselaer</i> .....	June, 26
Deluxe Multi-Band V.F.O. Exciter— <i>Pierce</i> .....	Oct., 9

- Design and Operating Data for Condenser Input Filters—*Lampson*.....Nov., 35
- Determining R.F. Power Output—*McNatt*.....Jan., 93
- Dual-Service Transceiver—*Levis*.....Nov., 42
- Effect of Temperature on the Frequency of a Self-Excited, High Frequency Oscillator.....Jan., 103
- Emergency-Service Portable Station—*Hlywa*.....Nov., 16
- Filament and Plate Control for Mercury Vapor Rectifiers—*Hall*.....Jan., 126
- Filament Tube Airplane Transmitter—*Rothman and Dawley*.....May, 18
- F.M. for Ten—*Norton*.....Oct., 14
- General Purpose Variable Frequency Oscillator—*Bernard*.....May, 23
- Improved Design Frequency Modulator—*Falor*.....June, 24
- Inexpensive 112 Mc. M.O.P.A.—*Falor*.....Jan., 98
- Just Another Portable Mobile—*May*.....July, 13
- Kilowatt Gets Ready for Active Service—*Christensen*.....June, 36
- Low-Powered Police Transmitter—*Shannon*.....July, 26
- Medium-Powered C.W. Transmitter—*Norton*.....June, 9
- Medium-Power Transmitter for 28 Mc.—*Rothman*.....Feb., 38
- Meter Switching for Transmitters—*Griggs*.....Oct., 60
- Mobile Transmitter with Instant Heating Tubes—*Newnan*.....April, 26
- One-Kilowatt Police Transmitter—*Brittain*.....Jan., 99
- Phone-C.W. R.F. Unit for 7, 14, and 28 Mc.—*Haberlitz and Rothman*.....Mar., 30
- Phone-C.W. Transmitter with Inverted Oscillator—*Reed*.....Jan., 83
- Pocket Transceiver for 112 Mc.—*McEntee*.....Jan., 118
- Portable Emergency Transmitter for Home or Field Use—*Taylor*.....Nov., 32
- Portable or Mobile Bandswitching Transmitter—*Bloom*.....May, 12
- Push-Pull Beam Tetrode Amplifier—*Rothman*.....Dec., 18
- Reduction of Drift in V.F.O.'s—*Dixon*.....July, 58
- R.F. Power Measuring Device—*McNatt*.....May, 61
- Rotatable-Link Inductances—*Elsen*.....Jan., 127
- Safety Switch for V.F.O. Operation—*McNatt*.....Jan., 46
- Self-Contained, Battery-Powered 2.5 Meter Transceiver—*Smith*.....Dec., 26
- Series Tank Frequency-Multiplier Circuits—*Munzig*.....Nov., 49
- Simple A.F. Peak Limiter for the Phone Transmitter—*Smith*.....June, 46
- Simplified Transmitter Control—*Whiteborn*.....Nov., 46
- Splatter Filter Notes.....Jan., 31
- Stabilization of Grid Bias—*Shaw*.....July, 58
- Substitute for Safety Bias When Using Screen Grid Tubes—*Smith*.....Dec., 13
- Sweepstakes Exciter—*Onnigian*.....Nov., 26
- Terminating Antenna Feeders—*McNatt*.....Feb., 27
- Three-Phase Power from Single-Phase Supply—*Jennings*.....Jan., 108
- Transmitter Interference Elimination—*Lawrence*.....Nov., 30
- Triodes as Class C Amplifiers—*Naslund*.....Jan., 49
- V.F.O. Design Considerations—*Smith*.....Oct., 39
- ¼ Cubic Foot-¼ Kilowatt—*Burgess*.....July, 22
- 56-Mc. Exciter or Transmitter—*Fabian*.....March, 64
- 25 Watts on 56 Mc.—*Dawson*.....March, 33
- 40- or 200-Watt Phone-C.W. Transmitter for 10-160 Meter Operation—*Smith*.....Jan., 37
- 100-Watt Semi-Bandswitching Transmitter or Exciter—*Caswell*.....April, 33
- 100-Watt Triode Transmitter-Exciter—*Dawley*.....Feb., 16
- 300-Watt R.F. Section for V.F.O. Operation—*Rothman*.....Nov., 8
- 500-Watt Commercial Transmitter—*Moynahan*.....Feb., 11

## Tubes

- 3S4 Battery-Receiver Pentode.....Feb., 73
- 5Y3-GT/5Y3 Full-Wave Rectifier.....July, 42
- 6SF7 I.F. Amplifier-Detector.....May, 64
- 6SG7 R.F. Pentode.....April, 72
- 6SN7 Twin Triode.....May, 64
- 6SS7 R.F. Pentode.....July, 42
- 12H6.....July, 42
- 12SF7 I.F. Amplifier-Detector.....May, 64
- 12SG7 R.F. Pentode.....April, 72
- 12SL7-GT High-Mu Twin Triode.....July, 42
- 12SN7-GT Twin-Triode Amplifier.....July, 42
- 117P7-GT Rectifier-Beam Power Amplifier.....July, 42
- 815 Dual Beam Tetrode.....Feb., 45
- 816 Mercury-Vapor Rectifier.....July, 42
- 826 U.H.F. Triode.....Feb., 47
- 866A/866 Mercury Vapor Rectifier.....Feb., 48
- 930 Gas Phototube.....April, 77
- 931 Phototube.....July, 92
- 1625 Beam Power Amplifier.....Feb., 48
- 1626 12.6-Volt 5-Watt Triode.....Feb., 73
- 1629 Electron Ray.....April, 77
- 8000 Transmitting Triode.....April, 77
- 8001 Transmitting Beam Tetrode.....July, 92
- 8005 Transmitting Triode.....July, 79
- 9001 Detector Amplifier Pentode.....Oct., 74
- 9002 Detector Amplifier Triode.....Oct., 74

9003 Super-Control Amplifier Pentode.....	Oct., 77
HY65 R.F. Beam Tetrode.....	July, 94
HY67 R.F. Beam Tetrode.....	July, 94
HY245 Filament Type Pentode.....	Oct., 78
HY255X Filament Type Pentode.....	Oct., 78
Z-225 Mercury Vapor Rectifier.....	July, 94
Microtubes.....	April, 72
Phototube Application— <i>RCA</i> .....	March, 81
Preferred Replacement Types— <i>RCA</i> .....	April, 77
Receiving Tube Characteristics— <i>RCA</i> .....	March, 81
Transmitting and Special Tube Booklet— <i>RCA</i> .....	June, 68
Transmitting Tubes— <i>RCA</i> .....	Oct., 72
Triode Connected 6V6's and 6L6's.....	Dec., 78
Triodes as Class C Amplifiers— <i>Naslund</i> .....	Jan., 49
Tube Pamphlet— <i>G.E.</i> .....	June, 90

### Ultra-High Frequencies

(see also: *Antennas, Radiotelephony, Receiving, Transmitting, Tubes, Frequency Modulation*)

Adjusting the Superregenerative Receiver— <i>Fleming</i> .....	Dec., 30
Aurora U.H.F. Propagation— <i>Ferrell</i> .....	Feb., 20
Broadside Close-Spaced Arrays— <i>Espy</i> .....	Feb., 35
Calculating Distance and Direction— <i>Conklin</i> .....	March, 46
Coaxial-Tuned Converter— <i>Copeland</i> .....	June, 17
Coincidence of U.H.F. Fading— <i>Ferrell</i> .....	April, 9
Control of F.M. Receiver Readability— <i>Ferrell</i> .....	July, 76
Converting the Ten-Meter Rotary to Twenty— <i>Valentine</i> .....	July, 39
Distance Ranges of Radio Waves.....	May, 46
Dual-Service Transceiver— <i>Levis</i> .....	Nov., 42
Filament Tube Airplane Transmitter— <i>Rothman and Dawley</i> .....	May, 18
Five- and Ten-Meter Converter— <i>Taylor</i> .....	Oct., 31
Five- and Ten-Meter Skip— <i>Conklin</i> .....	Feb., 40
Five-Meter Summer DX— <i>Dawson</i> .....	Oct., 47
F.M. for Ten— <i>Norton</i> .....	Oct., 14
F.M. Receiver for Less than Fifteen Dollars— <i>Brooks</i> .....	Feb., 54
I.C.W. with a Transceiver— <i>Crabill</i> .....	May, 63
Improved Design Frequency Modulator— <i>Falor</i> .....	June, 24
Inexpensive Beam Rotator— <i>Edmondson</i> .....	April, 42
Inexpensive, Stabilized Oscillator— <i>Falor</i> .....	Feb., 56
Inexpensive 112 Mc. M.O.P.A.— <i>Falor</i> .....	Jan., 98
Just Another Portable Mobile— <i>May</i> .....	July, 13

Medium Power 28-Mc. Transmitter— <i>Rothman</i> .....	Feb., 38
Mobile Transmitter with Instant Heating Tubes— <i>Newman</i> .....	April, 26
NBC Frequency-Modulation Field Test— <i>Guy and Morris</i> .....	Jan., 12
New Ideas in Rotatable Beam Construction— <i>Ludgate</i> .....	June, 49
Pocket Transceiver for 112 Mc.— <i>McEntee</i> .....	Jan., 118
Self-Contained, Battery-Powered 2.5 Meter Transceiver— <i>Smith</i> .....	Dec., 26
Sunspots and Radio— <i>Conklin</i> .....	July, 20
Superregenerators— <i>Conklin</i> .....	Jan., 32
"Tallyho, Two-and-a-Half"— <i>Wilburn</i> .....	April, 44
Ten to 2.5 Meter F.M. and A.M. Superhet— <i>Brown</i> .....	Dec., 36
Transceiver Data for the Newcomer— <i>Broderson</i> .....	Dec., 60
Two-Frequency Police Receiver— <i>Brittain</i> .....	Dec., 44
Two-Frequency Stub Matching.....	July, 36
U.H.F. Transmission Line— <i>Dumas</i> .....	Nov., 92
Vertical Concentric-Fed Doublet— <i>Kiernan</i> .....	June, 16
Wide-Band Antenna for 10 Meters— <i>Bartlow</i> .....	May, 62
Wide Range U.H.F. Wavemeter— <i>Rehm</i> .....	April, 30
Why Not Narrow-Band F.M. for General Amateur Use?— <i>Norton</i> .....	Jan., 88
8-Tube Converter for F.M. Reception— <i>Thompson</i> .....	March, 9
12-Element Rotary for 56 Mc.— <i>Copeland</i> .....	Oct., 34
25 Watts on 56 Mc.— <i>Dawson</i> .....	March, 33
28-Mc. Band in Britain.....	Feb., 93
56-Mc. Exciter or Transmitter— <i>Fabian</i> .....	March, 64
56-Mc. Preselection for Weak-Signal DX— <i>May</i> .....	April, 16
112-Mc. Net Aids Red Cross— <i>Reed</i> .....	April, 16
112-Mc. Bandsread Wavemeter— <i>Broderson</i> .....	March, 57
400-Megacycle Receiver— <i>Reed</i> .....	March, 27

### Variable Frequency Oscillators-Exciters

(see also: *Transmitting*)

De luxe Multi-Band V.F.O. Exciter— <i>Pierce</i> .....	Oct., 9
General Purpose V.F.O.— <i>Bernard</i> .....	May, 23
Keying the V.F.O. without Clicks, Chirps, or Tails— <i>Smith</i> .....	April, 62
Reduction of Drift in V.F.O.'s— <i>Dixon</i> .....	July, 58
Safety Switch for V.F.O. Operation— <i>McNatt</i> .....	Jan., 46
Sweepstakes Exciter— <i>Onnigian</i> .....	Nov., 26
V.F.O. Design Consideration— <i>Smith</i> .....	Oct., 39



Y

88

26

12

49

18

26

20

32

44

36

60

44

36

92

16

62

30

88

9

34

33

93

64

16

16

57

27

ters

ct., 9

ay, 23

ril, 62

uly, 58

an., 46

ov., 26

Oct., 39